| \$ | UUU | UUU UUU | MMM MMM MMM | MMM MMM MMM |
|--|-------------|------------|-------------------|-------------------|
| SSS | UUU | UUU | MMMMMM | MMMMMM |
| \$55 | | UUU | MMMMMM | MMMMMM |
| SSS SSS | | UUU | | MMM MMM |
| SSS | UUU | UUU | MMM | MMM MMM |
| SSS | | UUU | | MMM MMM |
| \$\$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$\$ | | UUU | MMM | MMM |
| \$\$\$\$\$\$\$\$\$ | | UUU | MMM | MMM |
| SSS | UUU | UUU | MMM | MMM |
| SSS | | UUU | MMM | MMM |
| \$\$\$ | | UUU | MMM | MMM |
| SSS | | UUU | MMM | MMM |
| SSS | | UUU | MMM | MMM |
| \$ | | | MMM | MMM |
| 55555555555 | UUUUUUUUUUU | | MMM | MMM |

| \$ | MM MMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM | MM | AAAAAA AA AA AA AA AA AA AA AA | |
|--|--|--|--|--|
| | \$ | | | |

SUM VO4

C 8 -- SOURCE UPDATE MERGE 16-SEP-1984 02:14:36 VAX/VMS Macro V04-00 SUM Table of contents (5) 289 RETURN_NODES

SUM VO4

SLPSL_BWD = 0 SLPSW_BWD = 4 SLPSW_LOC1 = 8

: Forward pointer : Backward pointer : Locator-1

00000000

SUM

Sym

Sym

SUM V04-000 F 8

```
.TITLE SUM -- SOURCE UPDATE MERGE .IDENT /V04-000/
                                 COPYRIGHT (c) 1978, 1980, 1982, 1984 BY DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS. ALL RIGHTS RESERVED.
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                             System equated symbols
                                                                                                ; Condition handling defintions
                                        SCHFDEF
                                         $STSDEF
                                                                                                ; Condition handling fields
                                        $CLIVERBDEF
                                                                                                : Generic verb types
                                         .PSECT $DATA, NOEXE, WRT
                             Command input
                           CMD_INPUT_FAB:
                                                      FNM = <SYS$INPUT> -
                                                                                                ; File name
                                                      FOP = INP -
FAC = GET
                                                                                               : Process permanent file : Allow GET$ operations
                          CMD_INPUT_RAB::
                                                      FAB = CMD_INPUT_FAB -
UBF = CMD_INPUT_BUF -
USZ = CMD_SIZE =
ROP = <PMT,CVT>
                                                                                               ; File access block address
                                                                                                : Command input buffer : Command input buffer size
                                                                                                : Convert lower case to upper case
                                                       ; Read with prompt
                              Command output
                           CMD_OUTPUT_FAB:
                                                      FNM = <SYS$OUTPUT> -
                                                                                               : File name
: Allow PUT$ operations
                                                      FAC = PUT -
```

PSE

SUM

Pse

SAB SDA SRM RMS SCO

Pha Ini Com Pas Sym Pas Sym

The 643 The 541 40

%2 -\$2 TOT

MAC

The

```
G 8
SUM
V04-000
                                      -- SOURCE UPDATE MERGE
                                                                                                                 VAX/VMS Macro V04-00
[SUM.SRC]SUMMAIN.MAR;1
                                                                                                                                                   Page
                                                                            RAT = CR
                                                                                                         : Lines require CR/LF
                                                         CMD_OUTPUT_RAB:
                                                                            FAB = CMD_OUTPUT_FAB. - ; File access block address
RBF = CMD_OUTPUT_BUF ; Record address
                                                                  SRAB
                                                           Prompt strings
                                                         PROMPT_INPUT::
.ASCIC "_Input files: "
65 60 69 66 20 74 75 70
                                                         PROMPT_OUTPUT::
.ASCIC "_Output file: "
60 69 66 20 74 75 70 74
                                                         PROMPT_CONT::
                                20 5F 00°
                                                         Command input buffer
                                                         CMD_INPUT_BUF:
                                000001CF
                                                         CMD_INPUT_SZE:: .LONG 0
CMD_INPUT_POS:: .LONG 0
                                00000000
                                                                                                         : Current string size : Current scan position
                                                         REQ_COMMAND::
$CLIREQUESC RQTYPE = CLISK_GETCMD
                                00000084
000001FB
0000027F
                                                         CMD_OUTPUT_BUF: .BLKB CMD_SIZE CMD_OUTPUT_BUF CMD_OUTPUT_BUF
                                00000281
                                                         SLP_FLAGS::
                                                                            .BLKW
                     00000289'00000010
                                                         SLP_AUDDS::
                                                                            .LONG
                                                                                     16.SLP_AUDST
                                00000299
                                                         SLP_AUDST::
                                                                            .BLKB
                                                                                     16
                                     0000
                                                         MERGE_FLAGS::
                                                                            . WORD
                                                           Flag bits
                                00000001
                                                                                                         ; 0 = No 1 = Yes
                                                                  MERM_OUTPUT == 1
                                                         List heads
```

**F

FAB = RANDOM_FAB -RAC = RFA -UBF = RANDOM_BUF -USZ = BUF_SIZE

RANDOM_RAB::

SUM

The

**F

SUM V04-000 16-SEP-1984 02:14:36 VAX/VMS Macro V04-00 5-SEP-1984 16:56:59 [SUM.SRC]SUMMAIN.MAR;1

| | | | 000 | 0321 215 | ; | .PSECT | SCODE, NOWRT, EXE | |
|------|--------------------------------|----------------------------|----------------------------|--|----------------|--|--|---|
| | 6D 017D° | CF | 0000 DE | 00000 216 0000 217 0000 218 0000 219 0002 220 | START:: | .WORD MOVAL | O W^HANDLER, (FP) | ; Set handler address |
| | 00000085'EF | 00 50 | FB E9 | 0002 220 0007 221 0007 222 000E 223 0011 224 0011 225 0013 226 | 105: | CALLS | #0, INITIALISE R0, 100\$ | Perform initialisation Error if LBC |
| FF | 01D7° 08 BC 8F 000001DA° | 7E CF O3 EF | 7C DF FB 91 | 0011 225 0013 226 0017 227 001B 228 | 100. | CLRQ PUSHAL CALLS CMPB | -(SP) W^REQ_COMMAND #3,@C[I\$A_UTILSERV(AP) REQ_COMMAND+CLI\$B_RQSTAT | ; Get any command line from DCL , - ; Was program invoked as a foreign ; command? ; No if NEQ |
| 01CF | | 14 | 12 30 | 0023 229 0023 230 0025 231 | | BNEQ | #CLISK_VERB_FORE 20\$ REQ_COMMAND+CLISW_RQSIZE | : No if NEQ |
| 0103 | | EF 04 | DO 11 | 002E 233 0037 234 0037 235 | | MOVL BRB | REQ COMMAND+CLISW_RQSIZE W^CMD_INPUT_SZE REQ COMMAND+CLISA_RQADDR W^CMD_INPUT_POS 30\$ | , - |
| | 01CF ' | | D4 | 0037 235 0039 236 0039 237 0030 238 | 20\$: 30\$: | CLRL | | : Initialise input buffer |
| | 00000000°8f | 01 00 50 1A 2C | DO FB E8 D1 12 | 003D 239 0040 240 0047 241 004A 242 0051 243 0053 244 | | MOVL CALLS BLBS CMPL BNEQ BRB | #1.RO #0.GET_FILES RO.40\$ RO.#RMS\$_EOF 60\$ 100\$ | Get input and output files OK if LBS Was error EOF? No if NEQ |
| | 00000000°EF ₀₇ | 00 50 | FB E9 | 0055 245 0055 246 005C 247 005F 248 005F 249 0066 250 | 40\$: | CALLS | #0.OPEN_FILES R0.50\$ | Open files Error if LBC |
| | 00000000'EF | 00 | FB | 005F 249 | 500. | CALLS | #O, MERGE_FILES | ; Merge files |
| | 00000000°EF | 00 | FB | 0066 251 | 50\$: | CALLS | #O,CLOSE_FILES | : Close files |
| FF | 8F 000001DA' | EF | 91 | 006D 253 006D 253 0075 254 | 60\$: | CMPB | REQ_COMMAND+CLISB_RQSTAT #CLISK_VERB_FORE 1008 | <pre>, - ; Was program invoked as a foreign ; command? ; Yes if EQL</pre> |
| | 000000DF 'EF 88 | 0A 00 50 | 13 FB E8 | 0075 255 | 1000 | BEQL CALLS BLBS | WO.RETURN NODES | ; Yes if EQL ; OK if LBS |
| | 50 | 01 | 04 | 007E 257 0081 258 0081 259 0084 260 0085 261 | 100\$: | MOVL | #1,R0 | |

| SUM V04-000 | •• | SOURCE | UPDATE | MERGE | L | 8 | 16-SEP-198 5-SEP-198 | 02: | 4:36 | VAX/VMS Macro VO4-00 [SUM.SRC]SUMMAIN.MAR;1 | Page | 9 (4) |
|----------------|---------|--------------------------------------|--------|---------------|--------------|------|----------------------------|-----|------|--|------|-------|
| | 000 | 0085 0085 0085 0085 0085 | 266 | Procedure to | | | | | | | | |
| | 10 50 E | 9 0094 | 269 | SOPEN BLBC | FAB RO, 1 | = CM | D_INPUT_FAB D_INPUT_RAB | | Erro | n command input or if LBC | | |
| | 08 50 E | B 00A4 | 272 | BLBS | RO, Z | 20\$ | D_THEOT_KVS | | OK | nect to RAB | | |

SUM!

272 273 10\$: 275 276 276 277 278 279 280 281 30\$: 282 283 40\$: 284 285 286 50\$: CMD_INPUT_FAB+FAB\$L_STV ; Push error status 40\$ PUSHL SOPEN FAB = CMD_OUTPUT_FAB BLBC RO.30\$ SCONNECT RAB= CMD_OUTPUT_RAB BLBS RO.50\$ Open command output Error if LBC Connect to RAB OK if LBS 10 50 OF 50 000000A0'EF PUSHL CMD_OUTPUT_FAB+FAB\$L_STV; Push error status DD FB PUSHL RO #2,G^LIB\$SIGNAL 00000000 GF ; Signal error RET

Page

SUM V04-000

```
.SBTTL RETURN_NODES
                                          OODF
OODF
                                                  Procedure to return all nodes to virtual memory
                                OODF
OODF
OODF
OODF
OODF
                                                  inputs:
                                                           None
                                                  Outputs:
RO = Success/error status
                                                RETURN_NODES:
                        0000
                                                           . WORD
                                                                     aw^EDIT_NODES,R5
20$
R5,W^VIRT_ADDR
W^VIRT_ADDR
W^ED_STZE
#2,G*LIB$FREE_VM
R0,50$
10$
     55
            029B'DF
                          OF DO DF DF BE 11
                                                           REMQUE
                                                                                                          Get edit node
                                                                                                          Queue now empty if VS
                                                           BVS
     02AB 'CF
                                                           MOVL
                                                                                                          Store size
            02AB'
                                                           PUSHAL
                                                                                                          Push parameters
                                                           PUSHAL
00000000 GF
                                                           CALLS
                                                           BLBC
                                                           BRB
                                               20$:
            02A3'CF
                          DE
                                                           MOVAL
                                                                                                        : Get file nodes list head
                                                                      W^FILE_NODES,R5
                                               305:
                                                                      (R5),R5
R5,#FILE_NODES
40$
R5,R4
                                                                                                          Get next NODE
At end of list?
Yes if EQL
000002A3'8F
                          DD130003343FFB91
                                                           MOVL
                                                           CMPL
                                                           BEQL
                                                           MOVL
                                                                                                          Set NAM pointer
      00000048
                                                                      #SLPST_NAM.R4
NAMSL_RSA(R4),W^VIRT_ADDR ; Get file name node address
                                                           ADDL2
 02AB CF
                                                           MOVL
                                                           BEQL
 02B7'CF
               03
                                                           MOVZBL
                                                                      NAMSB_RSL(R4), W^FILE_SIZE; and size
                                                           BEQL
                                                                     W^VIRT_ADDR
W^FILE_SIZE
#2,G^LIB$FREE_VM
R0,50$
            02AB 'CF
02B7 'CF
GF 02
22 50
                                                           PUSHAL
                                                                                                       ; Push parameters
                                                           PUSHAL
00000000 GF
                                                           BLBC
                                                           BRB
                                               40$:
                                                                      awafile_Nodes,R5
            02A3'DF
                          OF 1D DF DF BP 11
                                                           REMQUE
                                                                                                          Get file node
   02AB'CF
02AB'CF
02AF'CF
                                                           BVS
                                                                     R5, W^VIRT_ADDR
W^VIRT_ADDR
W^SLP_SIZE
#2, G^CIB$FREE_VM
R0,50$
                                                                                                          Queue now empty if VS
                                                           MOVL
                                                                                                          Store size
                                                           PUSHAL
                                                                                                          Push parameters
                                                           PUSHAL
00000000 GF
                                                           CALLS
                                                           BLBC
                                                           BRB
                                0160
                                                508:
                                                           RET
                                0160
```

(04-00 Page 11 N.MAR;1 (6)

```
Condition handlers
                                                                             .ENABL LSB
                                                               GET_HANDLER::
                                  003C
D0
D1
12
                                                                                          ^M<R2,R3,R4,R5>
CHF$L_SIGARGLST(AP),R2; Get address of signal array CHF$L_SIG_NAME(R2),#RMS$_EOF 10$
                                                                             . WORD
00000000°8F
                                                                             MOVL
                                                                             BNEQ
                                                                             SUNWIND_S
                                     04
                                                                             RET
                                                               HANDLER::
                                  003C
                                                                             . WORD
                                                                                          ^M<R2,R3,R4,R5>
                                                                                          CHF$L_SIGARGLST(AP),R2
CHF$L_SIG_NAME(R2),R0
#STS$M_FAC_NO,R0
                                     DO D3 12 E1 DE
                                                                             MOVL
                                                                                                                                       Get address of signal array
                                                                                                                                      Get message name
Is facility number empty?
No if NEQ
Facility specific bit must be set
                                                                             MOVL
             OFFF0000
                                                                             BITL
     50
                                                                             BNEQ
                                                                                          #STS$V_FAC_SP,RO,99$
W^MERGE_MSGS,R1
                    50
01EA
                                                                             BBC
                                                                             MOVAL
                                                                                                                                       Get address of Merge messages
                                                               205:
                                     7D
13
D1
12
11
                            81
07
50
                                                                             PVOM
                                                                                           (R1) + .R4
                                                                                                                                       Get next entry
End of table if EQL
                                                                                           308
                                                                             BEQL
                                                                                          RO R4
20$
40$
                    54
                                                                             CMPL
                                                                                                                                       This message?
                            F 6
                                                                             BNEQ
                                                                                                                                       No if NEQ
                                                                             BRB
                                                               305:
                    0282'CF
                                     DE
                                                                             MOVAL
                                                                                          W^CATCH_MSG,R5
                                                                                                                                   ; Use catch message
                                                                                         CTRSTR = (R5), - ; Control str

OUTLEN = CMD OUTPUT RAB+RABSW RSZ, -

OUTBUF = CMD OUTPUT DESC, -

PRMLST = 12(R2)

RAB = CMD OUTPUT RAB

#STS$V SEVERITY, #STS$S SEVERITY, -

CHF$L SIG NAME(R2), RO ; Extract sev

RO, #STS$K WARNING ; Is it a war

998
                                                               405:
                                                                            SFAOL_S
                                                                                                                                     Control string
                                                                             SPUT
                            00
                                                                             EXTZV
                    03
                                     EF
                                                                                                                                  : Extract severity code
: Is it a warning?
: No if NEQ
                                     D1
12
D0
04
                                            0108
                                                                             BNEQ
     50
             00000000 BF
                                                                             MOVL
                                                                                          #SS$_CONTINUE_RO
                                                                             RET
                                                               995:
     50
             00000000°8F
                                                                             MOVL
                                                                                          #SS$_RESIGNAL,RO
                                                                             RET
                                                                             .DSABL LSB
```

SUM!

```
Macro to define error messages
                               . MACRO
                                                  MSG
                                                                     NAME, FAOCHT, TEXT, ?L1
                              SAVE
PSECT
ASCID
RESTORE
                                                  FRRORS
          LI:
                                                 MERS_'NAME
                               . LONG
                              LONG . ENDM
                                                  MSG
         MERGE_MSGS:
                                                PRSERR,2. <Error parsing file specification !AD>
NULLFS,0. <Null file specification>
ONEOUT,0. <Only one output file allowed>
OPENER,2. <Error opening !AD for input>
CREATE,2. <Error creating !AD for output>
OUTERR,0. <Error writing to output file>
INPEOF,1. <Unexpected EOF on input file !AD>
CLASH.0. <Edit clashes...>
CLSHLN.4. < file !AD!/ !AD>
NONODE,0. <Can't expand program>
ATSIGN,2. <a command illegal!/!AD>
REOPEN,2. <Error re-opening !AD for input>
CONNEC,2. <Error disconnecting !AD from RAB>
DISCON,2. <Error disconnecting !AD from RAB>
CLOSER,2. <Error closing !AD>
READER,2. <Error reading file !AD>
INVPMD,0. <Invalid parameter delimeter>
SYNTAX,2. <SLP command syntax error!/ !AD>
0
                              MSG
MSG
                              MSG
                              MSG
                              MSG
                              MSG
                              MSG
                              MSG
                              MSG
                              MSG
                              MSG
                              MSG
                              MSG
                              MSG
                              MSG
                              MSG
                              MSG
                              MSG
                              .QUAD
         CATCH_MSG:
                                                  CTCHER, O, < Merge condition handler error>
              Define message name symbols
          $EQULST MER$_,GLOBAL,32778,8,< -
                                                  <CTCHER> -
                                                  <NONODE> -
          $EQULST MER$_,GLOBAL,34824,8,< -
                                                  <NULLFS> -
                                                  <ONEOUT> -
                                                  <PRSERR> -
                                                  <OPENER>
                                                  <DUTERR> -
                                                  <INPEOF>
                                                  <CLSHLN>
                                                  <ATSIGN>
```

00000000 00000000

| SUM 104-000 | SOURCE RETURN_NOD | UPDATE MERGE | | C 9 | 16-SEP-1984 5-SEP-1984 | 02:14:36 16:56:59 | VAX/VMS Macro V04-00 [SUM.SRC]SUMMAIN.MAR;1 | Page | 13 (7) |
|----------------|--|---|-----|--|---------------------------|----------------------|--|------|--------|
| | 028A 028A 028A 028A 028A 028A 028A 028A | 446 447 448 449 450 451 452 453 454 455 456 | END | <reopen> <connec> <discon> <closer> <reader> <invpmd> <syntax>> START</syntax></invpmd></reader></closer></discon></connec></reopen> | | 10:30:39 | Som. SKC JSUMMAIN. MAK; 1 | | |
| | | | | | | | | | |

SUM'

| SUM Symbol table | SOURCE | UPDATE | MERGE | D 9 16-SEP-1984 5-SEP-1984 | 02:14:36 | VAX/VMS Macro V04-00 ESUM.SRC]SUMMAIN.MAR; 1 | Page | 14 |
|---|---|--|--|--|---|--|------|----|
| \$\$.TAB \$\$.TABEND \$\$.TMP | = 000005D8 = 0000061C = 00000000 | R | 04 | FABSC_SEQ FABSC_VAR FABSL_ALQ | = 000 = 000 = 000 | 000000 000002 000010 | | |
| SS.TMP SS.TMP1 SS.TMP2 SS.TMPX SS.TMPX1 | = 00000001 = 00000013 = 00000004 | R | 03 | FABSL_DNA FABSL_FNA FABSL_FOP | = 000 = 000 = 000 | 00030 000020 000004 | | |
| SCLI. SCLI. AUDIT_OFF AUDIT_ON AUDIT_TRAIL | = 000001D7 = 000001F3 000002BC 000002BB | R R R G R G | 05 05 05 05 05 05 | FABSV_CHAN_MODE FABSV_CR FABSV_FILE_MODE FABSV_GET FABSV_INP | = 000 = 000 = 000 = 000 | 000002 000001 000004 000001 | | |
| BIT BUF SIZE CATCH_MSG CHF\$L_SIGARGLST CHF\$L_SIG NAME CLI\$A_RQADDR CLI\$A_UTILSERV CLI\$B_RQSTAT CLI\$B_RQTYPE CLI\$C_REQDESC CLI\$K_GETCMD | = 00000001 = 00000001 = 00000001 = 00000013 = 000000153 = 00000153 000002BC 000002BC 000002BC 000002BC 000002BC = 0000002BC = 0000002BC = 0000002BC = 0000002BC = 00000002BC = 000000000000000000000000000000000000 | R | 05 | FAB\$C_SEQ FAB\$C_VAR FAB\$L_ALQ FAB\$L_DNA FAB\$L_FNA FAB\$L_FOP FAB\$L_STV FAB\$V_CHAN_MODE FAB\$V_CR FAB\$V_CR FAB\$V_INP FAB\$V_INP FAB\$V_INP FAB\$V_INP FAB\$V_NAM FAB\$V_PUT FAB\$W_GBC FILE_NODES FILE_SIZE GET_HANDLER HANDLER INITIALISE INPUT_BUF INPUT_FAB INPUT_FAB INPUT_RAB LIB\$FREE_VM LIB\$SIGNXL LOC_ONE | = 000 = 000 = 000 000 000 000 000 | 000000 000000 000000 000000 000000 000000 | | |
| CATCH_MSG CHF\$L_SIGARGLST CHF\$L_SIG_NAME CLI\$A_RQADDR CLI\$A_UTILSERV CLI\$B_RQSTAT CLI\$B_RQSTAT CLI\$B_RQSTAT CLI\$K_GETCMD CLI\$K_VERB_FORE CLI\$W_RQSIZE CLOSE_FILES CMD_INPUT_BUF CMD_INPUT_BUF CMD_INPUT_RAB CMD_INPUT_RAB CMD_OUTPUT_BUF CMD_OUTPUT_BUF CMD_OUTPUT_FAB CMD_OUTPUT_RAB CMD_OUTPUT_RAB CMD_OUTPUT_RAB CMD_OUTPUT_RAB CMD_SIZE COMMAS COMMENTS | = 00000008 ******* 0000014B 00000000 000001D3 000001CF 000001FB 000001F3 00000094 000000E4 | X RRGG RRG RRRRRRRRRRRRRRRRRRRRRRRRRRRR | 05 02 02 02 02 02 02 02 02 02 02 | MERS_ATSIGN | *** | 00344 RG 04 00344 RG 04 04**** X 05 002BE RG 02 0082CA RG 02 008850 G 008870 G 008848 G 008848 G | | |
| DEF_AUDIT DEF_NAME ED\$B_FILENO ED\$B_FLAGS ED\$K_BLN ED\$L_BWD ED\$L_FILE ED\$L_FWD ED\$L_FWD | 00000148 00000000 00000103 000000167 00000168 000000164 0000002ED 00000018 = 00000018 = 00000014 = 00000014 = 00000014 = 000000000000000000000000000000000000 | RG RG RG | 02 02 02 02 | MERS-CLOSER MERS-CLOSER MERS-CLOSER MERS-CLONNEC MERS-CONNEC MERS-CTCHER MERS-DISCON MERS-INPEOF MERS-INVPMD MERS-NONODE MERS-NONODE MERS-ONEOUT MERS-ONEOUT MERS-OPENER MERS-PRSERR MERS-REOPEN MERS-REOPEN MERS-FILES MERGE-FILES MERGE- | = 000 = 000 = 000 = 000 = 000 = 000 = 000 = 000 = 000 | 002BE RG 02 002CA RG 02 008850 G 008870 G 008848 G 008860 G 008828 G 008838 G 008804 G 008838 G 008812 G 008810 G 008810 G 008858 G 008858 G | | |
| ED\$W_LOC1 ED\$W_LOC2 ED\$W_RFA EDIT_NODES ED_SIZE END_EDIT FAB\$B_DNS FAB\$B_FNS FAB\$C_BID FAB\$C_BLN | = 00000008 = 00000000E 0000029B 000002BJ 000002BD = 00000035 = 00000033 = 00000050 | RG RG RG | 02 02 02 | MERS SYNTAX MERGE FILES MERGE FLAGS MERGE MSGS MERM DUTPUT NAMSB ESS NAMSB NOP NAMSB RSL NAMSB RSS NAMSC BID | | 08888 G 00299 RG 02 001EA R 05 000001 G 000008 000008 000002 | | |

| NAMEL BLN | SUM Symbol table | SOURCE UPDATE MERGE | E 9 16-SEP-1984 02:14:36 VAX/VMS Macro V04-00 5-SEP-1984 16:56:59 [SUM.SRCJSUMMAIN.MAR;1 | Page 15 (7) |
|--|---|--|---|-------------|
| RANDOM RAB REQ COMMAND RETURN NODES RETURN NODES CLPSE FILENO SLPSE FI | NAMSC_BLN NAMSK_BLN NAMSL_ESA NAMSL_RSA OPEN_FILES OUTDES OUTLEN OUTPUT_BUF OUTPUT_FAB OUTPUT_RAB PROMPT_CONT PROMPT_INPUT PROMPT_OUTPUT RABSB_RAC RABSC_BLN RABSC_RFA RABSC_SEQ | = 00000060 = 00000000000000000000000000000000000 | STS\$M_FAC_NO STS\$S_SEVERITY = 00000003 STS\$V_FAC_SP = 00000000 STS\$V_SEVERITY = 000000000 SYS\$CONNECT ************************************ | |
| SLP\$T_AUDST | RABSL_ROP RABSV_CVT RABSV_PMT RABSW_RSZ RANDOM_BUF RANDOM_FAB RANDOM_FILE RANDOM_RAB REQ_COMMAND RETURN_NODES RMSS_EUF SLPSB_FILENO SLPSB_FLAGS SLPSK_BLN SLPSL_BWD SLPSL_FWD SLPSQ_AUCDS SLPSQ_AUCDS SLPSQ_CMNT | = 0000000D | | |
| - VVVVVVV | SLPST_AUCST SLPST_AUDST SLPSW_DOT SLPSW_LOC1 SLPSW_LOC2 SLPM_AUDIT SLPM_SUPPRESS SLP_SUPPRESS SLP_AUDDS SLP_AUDST SLP_FLAGS SLP_SIZE SSS_CONTINUE SSS_RESIGNAL START STSSK_WARNING | = 00000030 = 00000018 = 00000008 = 00000008 = 00000001 G = 00000004 G = 00000002 G 00000281 RG 02 00000289 RG 02 0000027F RG 02 0000027F RG 02 0000028F RG 02 0000008F RG 02 | | |

SAB SUM SUM SUM

Phase Symi Pase Cro. Assi The 210 The 211 17

-\$2 -\$2 TOT 492

The MAC ! Psect synopsis !

| PSECT name | Allocation | PSECT No. At | ttributes | | | |
|--|--|---|---|---|---|--|
| *ABS . \$ABS\$ \$DATA \$RMSNAM RMS \$CODE ERRORS | 00000000 (0.) 00000000 (0.) 00000321 (801.) 00000017 (23.) 0000081C (2076.) 0000028A (650.) 00000289 (649.) | 00 (0.) NO 01 (1.) NO 02 (2.) NO 03 (3.) NO 04 (4.) NO 05 (5.) NO 06 (6.) NO | OPIC USR CON | ABS LCL NOSHR ABS LCL NOSHR REL LCL NOSHR | NOEXE NORD EXE RD NOEXE RD EXE RD EXE RD EXE RD EXE RD EXE RD | NOWRT NOVEC BYTE WRT NOVEC BYTE WRT NOVEC BYTE WRT NOVEC BYTE NOWRT NOVEC BYTE WRT NOVEC BYTE WRT NOVEC BYTE |

Performance indicators

| Phase | Page faults | CPU Time | Elapsed Time |
|--|-------------|-------------|---------------------|
| Initialization | .29 | 00:00:00.06 | 00:00:00.51 |
| Command processing Pass 1 | 105 327 | 00:00:00.72 | 00:00:02.35 |
| Symbol table sort | 109 23 | 00:00:01.32 | 00:00:03.18 |
| Symbol table output Psect synopsis output | 23 | 00:00:00.18 | 00:00:00.51 |
| Cross-reference output Assembler run totals | 598 | 00:00:00.00 | 00:00:00.00 |

The working set limit was 1200 pages.
64317 bytes (126 pages) of virtual memory were used to buffer the intermediate code.
There were 50 pages of symbol table space allocated to hold 877 non-local and 41 local symbols.
541 source lines were read in Pass 1, producing 30 object records in Pass 2.
40 pages of virtual memory were used to define 33 macros.

! Macro library statistics !

Macro library name

Macros defined

\$255\$DUA28:[SYS.OBJ]LIB.MLB;1 \$255\$DUA28:[SYSLIB]STARLET.MLB;2 TOTALS (all libraries)

27

1128 GETS were required to define 27 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LIS\$:SUMMAIN/OBJ=OBJ\$:SUMMAIN MSRC\$:SUMCOM/UPDATE=(ENH\$:SUMCOM)+MSRC\$:SUMMAIN/UPDATE=(ENH\$:SUMMAIN)+EXECML\$/LIB

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